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SONNENSCHN NATH & ROSENTHAL LLP P.O. BOX 061080 WACKER DRIVE STATION, SEARS TOWER CHICAGO, IL 60606-1080			NGUYEN BA, PAUL H	
			ART UNIT	PAPER NUMBER
			2176	

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Please find below and/or attached an Office communication concerning this application or proceeding.

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 9/6/2005 has been entered.
2. Claims 1-28, 31-33, 36-38 have been considered. Claims 1, 7, 8, 9, 10, 11, 17, 18, 19, 20, 25, 26, 31, 36, 37, and 38 are independent claims.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-5, 7-15, 17-19, 25-28, 30-33, 35 are rejected under 35 U.S.C. 103(a) as being unpatentable over Oracle Forms ® Advanced Techniques ("Oracle"), Ch. 10, pgs. 1-18, © 1996 Oracle Corporation (*available at* <http://mates.ms.mff.cuni.cz/oracle/doc/forms45/at/ch10.htm>), in view of Lee et al. ("Lee"), U.S. Patent No. 6,061,696.

Independent Claims 1, 7, 9, 10, 11, 17, 19, 25 and Dependent Claims 2-5, 12, 14, 15

Oracle teaches a method and computer readable medium in a data processing system for processing a document containing an embedded object having a first format corresponding to a first program (i.e. OLE) (see pgs. 2-3), the method comprising the steps of:

automatically determining whether the first program is an unavailable program (see pg. 17, heading: Converting OLE Objects – 1st paragraph → OLE object conversion is used for editing OLE objects when the OLE server application that originated an OLE object is **not available**);

when it is determined that the first program is an unavailable program, converting the embedded object into a second format different from the first format that is suitable for use with a second program that is available on the data processing system (see pg. 17 and 18, headings: Converting OLE Objects and Converting Embedded Objects → the “Convert To” command permanently alters the format of the object to the selected type for *automatic identification* of the selected type);

receiving an indication of a third format from a user (see pg. 18, step 3);

converting the embedded object into the third format (see pg. 18, step 4); and

storing the embedded object in the third format (see pg. 18, step 5).

Oracle does not explicitly teach automatically converting the embedded object into a second format. However, Lee teaches *when it is determined that the first program is an unavailable program, automatically converting the embedded object into a second format*

different from the first format that is suitable for use with a second program that is available on the data processing system (see Abstract; col. 5 lines 37-55 *et seq.* and Fig. 5).

Since Oracle and Lee are both from the same field of endeavor, the motivational purpose of freeing authors from the administrative burdens associated with maintaining different versions of an object and having to convert objects to web-publishable formats (see col. 3 lines 60-67) disclosed by Lee would have been recognized in the pertinent art of Oracle. It would have been obvious at the time the invention was made to a person having ordinary skill in the art to modify the teaching of Oracle with the teachings of Lee.

Claim 13

Oracle teaches *determining which of the plurality of programs are available on the data processing system* (see pg. 18, step 3) and *displaying the associated formats of the available programs to a user* (see Figure on pg. 17).

Independent Claims 8, 18, 26, 31 and Dependent Claims 27, 32

Oracle teaches a method in a data processing system containing a plurality of programs, each with an associated format, the data processing system for processing a document containing an embedded object having an originating format corresponding to an originating program (i.e. OLE) (see pgs. 2-3), the method comprising the steps of:

automatically determining whether the originating program is unavailable (see pg. 17, heading: Converting OLE Objects – 1st paragraph → OLE object conversion is used for editing OLE objects when the OLE server application that originated an OLE object is **not available**);

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when it is determined that the originating program is unavailable, determining which of the plurality of programs are available on the data processing system (see pg. 18, step 3),

displaying the associated formats of the available programs to a user (see Figure on pg. 17), and

receiving an indication of a selected one of the displayed formats from the user (see pg. 18, step 3); and

converting the embedded object into the selected format (see pg. 18, step 4);

while the document is being loaded into memory (see pgs. 17 and 18).

Oracle does not explicitly teach automatically converting the embedded object into a second format. However, Lee teaches *when it is determined that the first program is an unavailable program, automatically converting the embedded object into a second format different from the first format that is suitable for use with a second program that is available on the data processing system* (see Abstract; col. 5 lines 37-55 *et seq.* and Fig. 5).

Since Oracle and Lee are both from the same field of endeavor, the motivational purpose of freeing authors from the administrative burdens associated with maintaining different versions of an object and having to convert objects to web-publishable formats (see col. 3 lines 60-67) disclosed by Lee would have been recognized in the pertinent art of Oracle. It would have been obvious at the time the invention was made to a person having ordinary skill in the art to modify the teaching of Oracle with the teachings of Lee.

Claims 28 and 33

Oracle teaches *retrieving the indication from storage* (see pg. 17 and 18, specifically step 5 → the “Convert To” command permanently alters the format of the object to the selected type for *automatic identification* of the selected type and is stored and recalled from storage).

5. Claims 6, 16, 20, 21, 22-24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Oracle Forms ® Advanced Techniques (“Oracle”), Ch. 10, pgs. 1-18, © 1996 Oracle Corporation (*available at* <http://mates.ms.mff.cuni.cz/oracle/doc/forms45/at/ch10.htm>), in view of Francis et al. (“Francis”), U.S. Patent No. 6,182,092, in further view of Lee et al. (“Lee”), U.S. Patent No. 6,061,696.

Claims 6 and 16

Oracle teaches the method and computer readable medium of independent claims 1 and 11, but does not specifically teach converting the embedded object into an intermediate format.

However, Francis teaches converting OLE documents and objects into an intermediate format as a preprocessing step (see Fig. 6 and col. 14, lines 24-40) for the purpose instantiating the output, and hence, smoothing the transition between different formats.

It would have been obvious at the time the invention was made to a person having ordinary skill in the art to modify the teaching of Oracle with the teachings of Francis to include converting the embedded object into an intermediate format for the purpose instantiating the output, and hence, smoothing the transition between different formats.

Independent Claim 20 and Dependent claim 21

Oracle teaches a method and computer readable medium in a data processing system for processing a document containing an embedded object having a first format corresponding to a first program (i.e. OLE) (see pgs. 2-3), comprising the steps of:

determining whether the first program is an unavailable program (see pg. 17, heading: Converting OLE Objects – 1st paragraph);

when it is determined that the first program is an unavailable program, converting the embedded object into a second format different from the first format that is suitable for use with a second program that is available on the data processing system (see pg. 17 and 18, headings: Converting OLE Objects and Converting Embedded Objects), and

storing the format of the embedded object (see pg. 18, step 5).

Oracle does not specifically teach a first or second identifier wherein the second identifier can replace the first identifier. However, Francis teaches the use of identifiers to identify objects of a format embeddable in the document (see col. 2 lines 52-53 and col. 4 39-67 *et seq.*) for the purpose of associating and identifying different embedded objects in a document. Furthermore, it is well known to those of ordinary skill in the art that a first identifier can be replaced by a second identifier for the purpose of converting a first object format into a second object format.

Oracle does not explicitly teach automatically converting the embedded object into a second format. However, Lee teaches *when it is determined that the first program is an unavailable program, automatically converting the embedded object into a second format*

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different from the first format that is suitable for use with a second program that is available on the data processing system (see Abstract; col. 5 lines 37-55 *et seq.* and Fig. 5).

Since Oracle and Lee are both from the same field of endeavor, the motivational purpose of freeing authors from the administrative burdens associated with maintaining different versions of an object and having to convert objects to web-publishable formats (see col. 3 lines 60-67) disclosed by Lee would have been recognized in the pertinent art of Oracle. It would have been obvious at the time the invention was made to a person having ordinary skill in the art to modify the teaching of Oracle with the teachings of Lee.

Claim 22

See the rejection of independent claim 1.

Claims 23 and 24

Please refer to the rationale relied upon to reject independent claim 1.

6. Claims 36-38 are rejected under 35 U.S.C. 103(a) as being unpatentable over Oracle Forms ® Advanced Techniques (“Oracle”), Ch. 10, pgs. 1-18, © 1996 Oracle Corporation (*available at* <http://mates.ms.mff.cuni.cz/oracle/doc/forms45/at/ch10.htm>), in view of Lavery et al. (“Lavery”), U.S. Patent No. 6,396,593, in further view of Lee et al. (“Lee”), U.S. Patent No. 6,061,696.

Independent Claims 36-38

Oracle teaches the method, system, and computer-readable medium with respect to independent claim 1 as discussed above, but does not specifically teach selecting a user selectable setting comprising at least a first setting for performing the step of converting while the document is being loaded into memory and a second setting for performing the step of converting upon selection of the document for editing.

However, Lavery teaches user selectable conversion settings (see col. 6 lines 38-40) for the motivational purpose of allowing the human user to intervene, oversee, and drive all steps in the conversion process. It would have been obvious at the time the invention was made to a person having ordinary skill in the art to modify the teaching of Oracle with the teachings of Lavery to include a choice of settings for performing the step of converting at various points of the conversion process for the motivational purpose of allowing the human user to intervene, oversee, and drive all steps in the conversion process.

Oracle does not explicitly teach automatically converting the embedded object into a second format. However, Lee teaches *when it is determined that the first program is an unavailable program, automatically converting the embedded object into a second format different from the first format that is suitable for use with a second program that is available on the data processing system* (see Abstract; col. 5 lines 37-55 *et seq.* and Fig. 5).

Since Oracle and Lee are both from the same field of endeavor, the motivational purpose of freeing authors from the administrative burdens associated with maintaining different versions of an object and having to convert objects to web-publishable formats disclosed by Lee (see col.

3 lines 60-67) would have been recognized in the pertinent art of Oracle. It would have been obvious at the time the invention was made to a person having ordinary skill in the art to modify the teaching of Oracle with the teachings of Lee.

Response to Arguments

7. Applicant's arguments with respect to claims filed on 9/6/2005 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paul Nguyen-Ba whose telephone number is (571) 272-4094.

The examiner can normally be reached on 11 am - 7 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Heather Herndon can be reached on (571) 272-4136. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

PNB

William L. Bashore
WILLIAM BASHORE
PRIMARY EXAMINER
10/15/2005